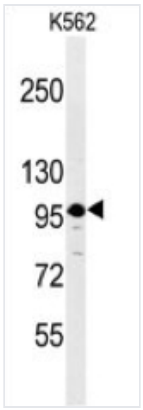
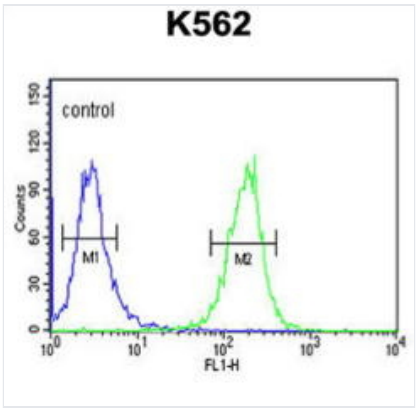
SE6L2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SE6L2, Polyclonal Antibody
Full Product Name	SE6L2, CT (SEZ6L2, PSK, Seizure 6-like protein 2) (MaxLight 490)
Product Gene Name	anti-SE6L2 antibody
Product Synonym Gene Name	SEZ6L2
Product Synonym Names	SEZ6L2; PSK; Seizure 6-like protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human SE6L2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	86,861 Da
3D Structure	ModBase 3D Structure for Q6UXD5
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 879-907 in the C-terminal region of human SE6L2, UniProt Accession #Q6UXD5; Q4V9Z5; Q29RN8. Species sequence homology: bovine, mouse
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-SE6L2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-SE6L2 antibody	Western Blot (WB), Flow Cytometry (FC/FACS), FLISA
Application Notes for anti-SE6L2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SE6L2 antibody	MBS6345707 is an antibody targeting SE6L2. Also known as SE6L2, CT (SEZ6L2, PSK, Seizure 6-like protein 2) (MaxLight 490). Reactive in Human. Host: Rabbit. SE6L2 may contribute to specialized endoplasmic reticulum functions in neurons.
Product References and Citations for anti-SE6L2 antibody	1. Polasek, O., et al. Croat. Med. J. 50(1):7-16(2009). 2. Kumar, R.A., et al. PLoS ONE 4 (2), E4582 (2009). 3. Lamesch, P., et al. Genomics 89(3):307-315(2007).
Other Notes	Small volumes of anti-SE6L2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SE6L2 antibody
Western Blot analysis in K562 cell line lysates (35ug/lane) usingMBS648200. SE6L2 (arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-SE6L2 antibody
Flow Cytometric analysis of K562 cells using MBS648200 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SE6L2. It may not necessarily be applicable to this product.

NCBI GI #	6912612
NCBI GeneID	26470
NCBI Accession #	NP_036542.1
UniProt Primary Accession #	Q6UXD5
UniProt Secondary Accession #	Q29RN8
UniProt Related Accession #	Q6UXD5
GenBank Nucleotide #	NM_012410.3
NCBI Official Full Name	seizure 6-like protein 2 isoform 1
NCBI Official Synonym Full Names	seizure related 6 homolog (mouse)-like 2
NCBI Official Symbol	SEZ6L2
NCBI Official Synonym Symbols	PSK-1
UniProt Protein Name	Seizure 6-like protein 2
UniProt Gene Name	SEZ6L2
UniProt Synonym Gene Names	PSK
UniProt Entry Name	SE6L2_HUMAN
NCBI Protein Information	seizure 6-like protein 2; seizure related 6-like protein 2; type I transmembrane receptor (seizure-related protein)
NCBI Summary for SE6L2	This gene encodes a seizure-related protein that is localized on the cell surface. The gene is located in a region of chromosome 16p11.2 that is thought to contain candidate genes for autism spectrum disorders (ASD), though there is no evidence directly implicating this gene in ASD. Increased expression of this gene has been found in lung cancers, and the protein is therefore considered to be a novel prognostic marker for lung cancer. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]

UniProt Comments for SE6L2	SEZ6L2: May contribute to specialized endoplasmic reticulum functions in neurons. Belongs to the SEZ6 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: endoplasmic reticulum membrane; plasma membrane; integral to membrane
Research Articles on SE6L2	**1.** These results provide an extensive ascertainment of the genetic variability of SEZ6L2 in human populations and do not support a major role for SEZ6L2 sequence variations in the susceptibility to autism spectrum disorders.
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